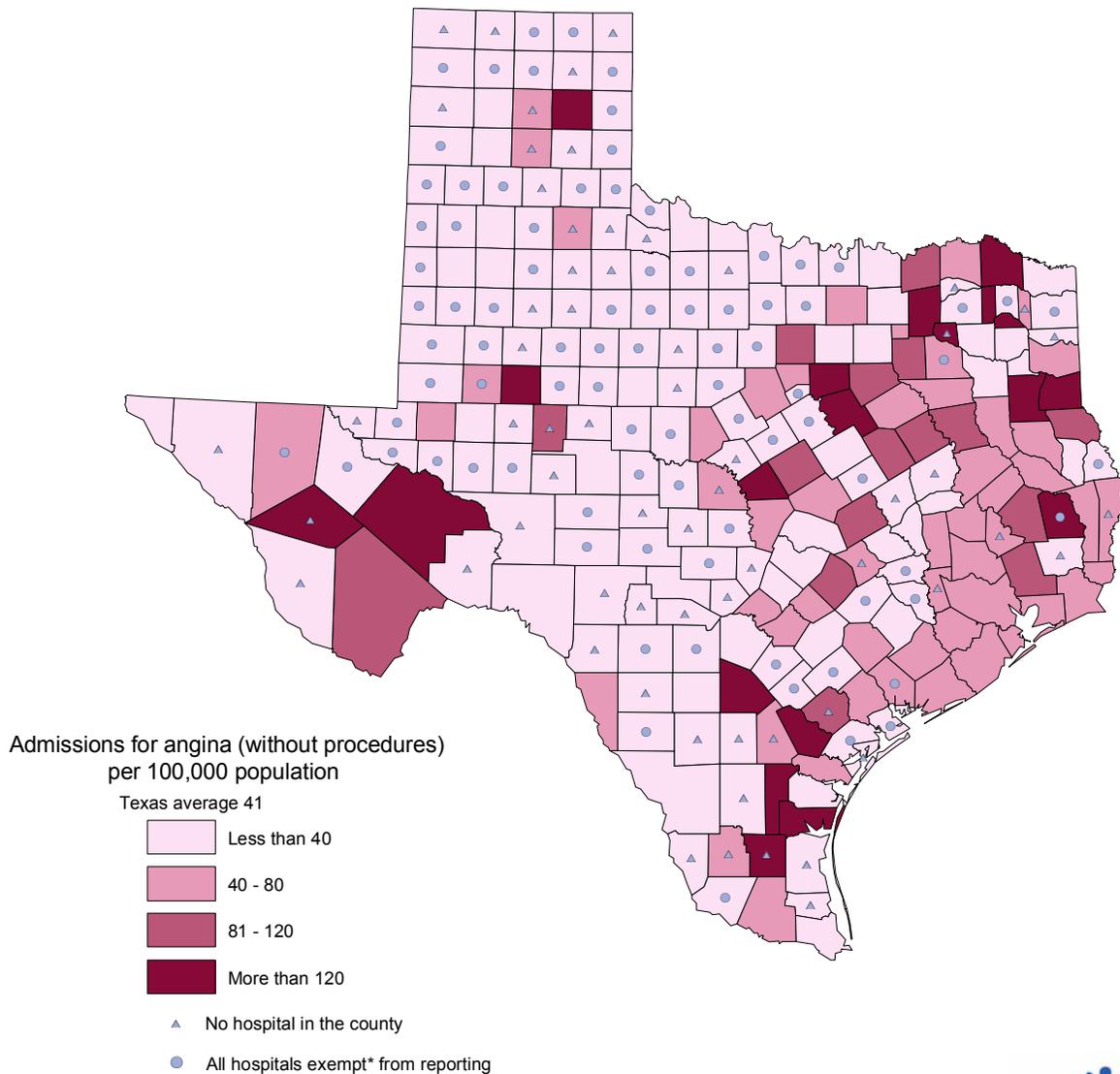


7. Angina (without procedures)

Angina is a term for the discomfort felt when a blockage in a coronary artery prevents enough oxygen-rich blood from reaching part of the heart. In some people, this discomfort manifests not as pain, but as a sensation of tightness or heaviness across the chest. Commonly a person recognizes that he or she is having angina only after several episodes have occurred and a pattern has evolved. The level of activity or stress that provokes an individual patient's angina is somewhat predictable, and the pattern changes only slowly. This is "stable" angina, the most common variety. This type of angina can be effectively controlled by medications, which relieve pain by widening blood vessels.



* THCIC collects data from most Texas hospitals. Some hospitals are statutorily exempt from reporting (see Introduction for details).

Source: THCIC, Texas Inpatient Hospital Discharge Data, 2001.

Table 7. Angina (without procedures) Admission Rate

Includes data from most Texas hospitals. Some hospitals are statutorily exempt from reporting to THIC.

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,538	15,229,570	36.4	41.2	
Anderson	35	42,602	82.2	86.8**	(50.3, 123.4)
Andrews	Less than 5	8,542			
Angelina	29	57,891	50.1	46.4	(23.5, 69.3)
Aransas	8	17,097	46.8	28.0	(0, 60.7)
Archer	Less than 5	6,511			
Armstrong	Less than 5	1,542			
Atascosa	61	26,996	226.0	225.2**	(151.3, 299)
Austin	8	17,840	44.8	34.9	(0, 70.7)
Bailey	0	4,539	0.0	0.0*	(0, 0)
Bandera	Less than 5	14,423			
Bastrop	49	43,941	111.5	112.4**	(71.5, 153.4)
Baylor	0	3,093	0.0	0.0*	(0, 0)
Bee	33	23,068	143.1	148.4**	(83.5, 213.3)
Bell	103	169,359	60.8	70.1**	(53.6, 86.5)
Bexar	262	997,867	26.3	30.6*	(26.2, 35.1)
Blanco	0	6,535	0.0	0.0*	(0, 0)
Borden	0	493	0.0	0.0*	(0, 0)
Bosque	Less than 5	13,338			
Bowie	12	66,187	18.1	12.5*	(1.4, 23.7)
Brazoria	73	177,450	41.1	47.3	(34.1, 60.6)
Brazos	9	111,434	8.1	28.2*	(15.3, 41.1)
Brewster	8	6,634	120.6	116.1	(9.1, 223.1)
Briscoe	0	1,240	0.0	0.0*	(0, 0)
Brooks	8	5,265	152.0	142.7	(9.5, 275.8)
Brown	22	27,733	79.3	67.4	(27.5, 107.3)
Burleson	Less than 5	12,153			
Burnet	20	27,097	73.8	57.9	(20.5, 95.4)
Caldwell	10	23,890	41.9	40.2	(7.0, 73.4)
Calhoun	Less than 5	14,715			
Callahan	Less than 5	9,478			
Cameron	50	225,161	22.2	23.7*	(15.4, 32.1)
Camp	17	8,514	199.7	187.1**	(67.2, 306.9)
Carson	Less than 5	4,615			
Cass	Less than 5	22,595			
Castro	Less than 5	5,318			
Chambers	8	19,068	42.0	45.9	(6.2, 85.6)
Cherokee	20	34,984	57.2	48.2	(18.1, 78.2)
Childress	0	5,934	0.0	0.0*	(0, 0)
Clay	0	8,329	0.0	0.0*	(0, 0)
Cochran	Less than 5	2,490			
Coke	0	2,995	0.0	0.0*	(0, 0)
Coleman	Less than 5	6,837			
Collin	38	387,199	9.8	24.5*	(18.1, 31)
Collingsworth	0	2,295	0.0	0.0*	(0, 0)

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

Table 7. Angina (without procedures) Admission Rate (cont'd)

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,538	15,229,570	36.4	41.2	
Colorado	Less than 5	14,935			
Comal	37	61,501	60.2	51.4	(28.0, 74.8)
Comanche	6	10,452	57.4	34.3	(0, 80.7)
Concho	Less than 5	2,945			
Cooke	Less than 5	26,841			
Coryell	44	52,914	83.2	104.3**	(68.4, 140.3)
Cottle	0	1,373	0.0	0.0*	(0, 0)
Crane	0	2,585	0.0	0.0*	(0, 0)
Crockett	0	2,768	0.0	0.0*	(0, 0)
Crosby	Less than 5	4,767			
Culberson	Less than 5	1,859			
Dallam	Less than 5	4,245			
Dallas	353	1,636,136	21.6	31.8*	(28.2, 35.4)
Dawson	Less than 5	10,547			
De Witt	Less than 5	11,856			
Deaf Smith	Less than 5	4,008			
Delta	81	335,935	24.1	43.1	(33.9, 52.2)
Denton	Less than 5	15,089			
Dickens	Less than 5	2,020			
Dimmit	Less than 5	6,610			
Donley	Less than 5	2,921			
Duval	Less than 5	9,048			
Eastland	Less than 5	13,717			
Ector	34	83,086	40.9	41.9	(23.7, 60.1)
Edwards	0	1,395	0.0	0.0*	(0, 0)
Ellis	72	80,840	89.1	92.8**	(65.3, 120.2)
El Paso	94	466,634	20.1	25.4*	(19.4, 31.3)
Erath	14	24,291	57.6	54.2	(15.9, 92.4)
Falls	Less than 5	13,567			
Fannin	26	24,055	108.1	95.4**	(44.5, 146.4)
Fayette	Less than 5	16,903			
Fisher	0	3,223	0.0	0.0*	(0, 0)
Floyd	0	5,179	0.0	0.0*	(0, 0)
Foard	0	1,223	0.0	0.0*	(0, 0)
Fort Bend	103	259,018	39.8	54.1**	(42.4, 65.8)
Franklin	17	7,346	231.4	213.0**	(75.3, 350.7)
Freestone	18	13,748	130.9	119.3**	(43.9, 194.7)
Frio	Less than 5	11,265			
Gaines	Less than 5	9,295			
Galveston	122	186,973	65.2	66.1**	(50.8, 81.3)
Garza	0	3,424	0.0	0.0*	(0, 0)
Gillespie	0	16,520	0.0	0.0*	(0, 0)
Glasscock	0	918	0.0	0.0*	(0, 0)
Goliad	5	5,213	95.9	81.0	(0, 181.8)

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

Table 7. Angina (without procedures) Admission Rate (cont'd)

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,538	15,229,570	36.4	41.2	
Gonzales	6	13,276	45.2	31.4	(0, 70.8)
Gray	35	16,705	209.5	193.9**	(106.8, 281.1)
Grayson	40	84,450	47.4	38.0	(20.8, 55.1)
Gregg	19	82,021	23.2	18.5*	(6.3, 30.6)
Grimes	10	17,904	55.9	52.2	(8.5, 95.9)
Guadalupe	41	66,125	62.0	60.9	(36.4, 85.5)
Hale	7	24,586	28.5	24.4	(0, 49.9)
Hall	0	2,881	0.0	0.0*	(0, 0)
Hamilton	Less than 5	6,188			
Hansford	0	3,720	0.0	0.0*	(0, 0)
Hardeman	0	3,358	0.0	0.0*	(0, 0)
Hardin	11	34,769	31.6	27.4	(4.7, 50.1)
Harris	773	2,471,698	31.3	42.5	(39.2, 45.9)
Harrison	20	44,720	44.7	40.0	(15.8, 64.2)
Hartley	0	4,304	0.0	0.0*	(0, 0)
Haskell	0	4,511	0.0	0.0*	(0, 0)
Hays	8	76,119	10.5	24.6*	(10, 39.2)
Hemphill	0	2,357	0.0	0.0*	(0, 0)
Henderson	42	57,161	73.5	57.6	(31.9, 83.2)
Hidalgo	161	376,373	42.8	47.9	(38.8, 57.1)
Hill	37	24,528	150.8	135.6**	(75.5, 195.8)
Hockley	Less than 5	15,288			
Hood	26	32,775	79.3	65.1	(29.0, 101.1)
Hopkins	5	23,693	21.1	12.1*	(0, 30.4)
Houston	14	17,558	79.7	65.8	(16.3, 115.3)
Howard	34	24,198	140.5	132.0**	(72.3, 191.8)
Hudspeth	0	2,259	0.0	0.0*	(0, 0)
Hunt	104	57,385	181.2	177.1**	(132.1, 222)
Hutchinson	Less than 5	16,695			
Irion	0	1,276	0.0	0.0*	(0, 0)
Jack	Less than 5	6,436			
Jackson	6	10,297	58.3	46.5	(0, 100.8)
Jasper	21	25,960	80.9	69.6	(27.7, 111.5)
Jeff Davis	5	1,638	305.3	291.9	(0, 633.1)
Jefferson	91	184,789	49.2	44.7	(32.1, 57.3)
Jim Hogg	Less than 5	3,554			
Jim Wells	51	27,312	186.7	183.0**	(116.8, 249.2)
Johnson	113	94,591	119.5	120.7**	(91.8, 149.6)
Jones	0	15,482	0.0	0.0*	(0, 0)
Karnes	Less than 5	11,356			
Kaufman	52	53,869	96.5	96.0**	(61.9, 130.2)
Kendall	Less than 5	18,426			
Kenedy	0	289	0.0	0.0*	(0, 0)
Kent	0	621	0.0	0.0*	(0, 0)

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

Table 7. Angina (without procedures) Admission Rate (cont'd)

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,538	15,229,570	36.4	41.2	
Kerr	7	34,350	20.4	0.0*	(0, 0)
Kimble	0	3,424	0.0	0.0*	(0, 0)
King	0	234	0.0	0.0*	(0, 0)
Kinney	0	2,619	0.0	0.0*	(0, 0)
Kleberg	29	21,679	133.8	137.2**	(72.9, 201.6)
Knox	Less than 5	2,964			
Lamar	21	36,085	58.2	47.8	(18.3, 77.2)
Lamb	5	10,212	49.0	33.9	(0, 80.6)
Lampasas	21	13,451	156.1	145.1**	(61.1, 229.1)
La Salle	0	4,107	0.0	0.0*	(0, 0)
Lavaca	14	14,390	97.3	73.4	(15.6, 131.2)
Lee	8	11,468	69.8	60.9	(1.9, 119.8)
Leon	7	11,761	59.5	39.0	(0, 85.6)
Liberty	51	52,621	96.9	99.2**	(64.0, 134.3)
Limestone	20	16,327	122.5	110.5**	(44.0, 177.1)
Lipscomb	0	2,208	0.0	0.0*	(0, 0)
Live Oak	7	8,914	78.5	64.2	(0, 132.8)
Llano	Less than 5	14,728			
Loving	0	52	0.0	0.0*	(0, 0)
Lubbock	45	176,312	25.5	29.6*	(19.1, 40.1)
Lynn	Less than 5	4,475			
McCulloch	0	5,838	0.0	0.0*	(0, 0)
McLennan	41	156,383	26.2	24.4*	(14.3, 34.5)
McMullen	0	649	0.0	0.0*	(0, 0)
Madison	Less than 5	10,010			
Marion	Less than 5	8,599			
Martin	Less than 5	3,161			
Mason	0	2,926	0.0	0.0*	(0, 0)
Matagorda	19	26,371	72.0	68.5	(27.3, 109.8)
Maverick	14	30,673	45.6	49.5	(17.0, 82.0)
Medina	5	28,778	17.4	13.9*	(0, 31.6)
Menard	0	1,736	0.0	0.0*	(0, 0)
Midland	29	80,890	35.9	35.2	(18.3, 52.1)
Milam	22	17,739	124.0	108.9**	(45.5, 172.3)
Mills	0	3,905	0.0	0.0*	(0, 0)
Mitchell	0	7,183	0.0	0.0*	(0, 0)
Montague	Less than 5	14,491			
Montgomery	92	224,427	41.0	45.4	(33.9, 56.9)
Moore	0	13,441	0.0	0.0*	(0, 0)
Morris	6	9,840	61.0	44.2	(0, 98.4)
Motley	Less than 5	1,038			
Nacogdoches	22	43,797	50.2	53.2	(25.0, 81.4)
Navarro	24	33,351	72.0	63.6	(28.3, 99.0)
Newton	9	10,898	82.6	73.5	(7.1, 140)

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

Table 7. Angina (without procedures) Admission Rate (cont'd)

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,538	15,229,570	36.4	41.2	
Nolan	Less than 5	11,047			
Nueces	38	218,601	17.4	19.0*	(11.5, 26.6)
Ochiltree	0	6,262	0.0	0.0*	(0, 0)
Oldham	0	1,335	0.0	0.0*	(0, 0)
Orange	39	61,663	63.2	58.4	(33.5, 83.4)
Palo Pinto	5	20,097	24.9	12.2*	(0, 32.2)
Panola	37	16,563	223.4	211.6**	(120.2, 303)
Parker	62	67,286	92.1	91.5**	(61.6, 121.3)
Parmer	Less than 5	6,498			
Pecos	15	11,603	129.3	130.5**	(44.7, 216.3)
Polk	39	33,464	116.5	102.2**	(57.4, 146.9)
Potter	22	80,535	27.3	26.4*	(11.7, 41)
Presidio	Less than 5	5,111			
Rains	13	7,513	173.0	159.3**	(41.5, 277.1)
Randall	14	77,487	18.1	17.1*	(5.1, 29.2)
Reagan	0	2,022	0.0	0.0*	(0, 0)
Real	0	2,362	0.0	0.0*	(0, 0)
Red River	18	10,812	166.5	146.3**	(52.2, 240.4)
Reeves	0	8,682	0.0	0.0*	(0, 0)
Refugio	Less than 5	5,656			
Roberts	0	625	0.0	0.0*	(0, 0)
Robertson	Less than 5	11,436			
Rockwall	15	34,487	43.5	47.5	(17.4, 77.5)
Runnels	Less than 5	8,108			
Rusk	142	34,607	410.3	399.4**	(312.6, 486.2)
Sabine	Less than 5	8,404			
San Augustine	Less than 5	6,717			
San Jacinto	11	17,203	63.9	50.7	(6.7, 94.6)
San Patricio	19	46,229	41.1	42.5	(17.9, 67)
San Saba	Less than 5	4,428			
Schleicher	0	2,031	0.0	0.0*	(0, 0)
Scurry	Less than 5	11,551			
Shackelford	0	2,424	0.0	0.0*	(0, 0)
Shelby	20	18,761	106.6	92.6	(35.8, 149.5)
Sherman	0	2,292	0.0	0.0*	(0, 0)
Smith	19	132,169	14.4	8.7*	(2.1, 15.2)
Somervell	Less than 5	4,908			
Starr	Less than 5	34,046			
Stephens	0	7,074	0.0	0.0*	(0, 0)
Sterling	Less than 5	894			
Stonewall	0	1,201	0.0	0.0*	(0, 0)
Sutton	0	2,859	0.0	0.0*	(0, 0)
Swisher	Less than 5	5,835			
Tarrant	321	1,078,446	29.8	38.9	(34, 43.7)

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

Table 7. Angina (without procedures) Admission Rate (cont'd)

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	5,538	15,229,570	36.4	41.2	
Taylor	17	89,211	19.1	17.6*	(6.2, 28.9)
Terrell	0	735	0.0	0.0*	(0, 0)
Terry	Less than 5	8,638			
Throckmorton	0	1,342	0.0	0.0*	(0, 0)
Titus	Less than 5	19,818			
Tom Green	12	74,295	16.2	13.1*	(2.3, 23.8)
Travis	45	615,946	7.3	23.4*	(18.5, 28.4)
Trinity	11	10,806	101.8	77.8	(9.1, 146.5)
Tyler	34	16,124	210.9	197.1**	(107.7, 286.5)
Upshur	10	26,239	38.1	28.8	(2.0, 55.6)
Upton	0	2,200	0.0	0.0*	(0, 0)
Uvalde	0	17,825	0.0	0.0*	(0, 0)
Val Verde	Less than 5	31,109			
Van Zandt	24	37,362	64.2	49.1	(19.7, 78.4)
Victoria	47	59,454	79.1	77.6**	(48.4, 106.9)
Walker	33	48,424	68.1	78.9**	(46.3, 111.6)
Waller	12	23,956	50.1	55.8	(16.7, 94.9)
Ward	Less than 5	7,204			
Washington	Less than 5	22,635			
Webb	14	127,997	10.9	20.3*	(10.1, 30.4)
Wharton	14	28,970	48.3	40.9	(10.5, 71.3)
Wheeler	0	3,773	0.0	0.0*	(0, 0)
Wichita	19	94,894	20.0	17.5*	(6.5, 28.4)
Wilbarger	Less than 5	10,291			
Willacy	Less than 5	12,861			
Williamson	48	191,598	25.1	36.1	(25, 47.3)
Wilson	6	23,336	25.7	23.6	(0, 49.3)
Winkler	Less than 5	4,761			
Wise	5	37,039	13.5	13.0*	(0, 28.1)
Wood	15	29,120	51.5	30.6	(4.4, 56.9)
Yoakum	0	4,847	0.0	0.0*	(0, 0)
Young	Less than 5	13,219			
Zapata	0	8,180	0.0	0.0*	(0, 0)
Zavala	0	7,541	0.0	0.0*	(0, 0)

Source: THCIC, Texas Inpatient Hospital Discharge Data, 2001.

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

